

Appendix table 8-1.
Moore's Law: 1971–2005

	Transistor count
1971	2,300
1972	3,500
1974	6,000
1978	29,000
1982	134,000
1985	275,000
1989	1,200,000
1993	3,100,000
1995	5,500,000
1997	7,500,000
1999	19,000,000
2001	44,000,000
2003	95,200,000
2005	190,000,000

NOTE: Data for 2003–05 are projected.

SOURCES: 1971–01—Available at <<http://www.intel.com/pressroom/kits/quickrefyr.htm>>; 2003–05—International Technology Roadmap for Semiconductors. *2000 International Technology Roadmap for Semiconductors*, available at <<http://public.itrs.net/Files/2000UpdateFinal/ORTC2000final.pdf>>.

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Appendix table 8-2.

Worldwide production of original content, stored digitally using standard compression methods: circa 1999

Storage medium and content	Production (terabytes per year)		Annual growth rate (percent)
	Upper estimate	Lower estimate	
Total	2,120,539	635,480	50
Paper			
Books	8	1	2
Newspapers	25	2	-2
Periodicals	12	1	2
Office documents	195	19	2
Subtotal	240	23	2
Film			
Photographs	410,000	41,000	5
Cinema	16	16	3
X-rays	17,200	17,200	2
Subtotal	427,216	58,216	4
Optical			
Music CDs	58	6	3
Data CDs	3	3	2
DVDs	22	22	100
Subtotal	83	31	70
Magnetic			
Camcorder tape	300,000	300,000	5
PC disk drives	766,000	7,660	100
Departmental servers	460,000	161,000	100
Enterprise servers	167,000	108,550	100
Subtotal	1,693,000	577,210	55

SOURCE: P. Lyman and H.R. Varian. "How Much Information?" 2000. Available at <<http://www.sims.berkeley.edu/how-much-info/summary.html>>. Accessed July 2, 2001.

See figure 8-2 in Volume 1.

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Appendix table 8-3.

Mobile phone penetration in OECD countries: 1990–99

Per 100 inhabitants

Country	1990	1991	1992	1993	1994	1995	1996	1997	1998	June 1999
OECD average	1.0	1.4	2.0	2.7	4.3	6.7	10.5	15.6	22.6	26.8
Finland	4.5	5.7	7.0	9.1	12.8	19.9	29.2	45.6	58.0	60.7
Norway	4.6	5.3	6.5	8.6	13.5	22.6	29.0	38.4	48.6	54.7
Iceland	3.9	5.0	5.9	6.6	8.2	11.5	17.1	24.0	38.7	53.0
Sweden	5.4	6.6	7.5	9.0	15.8	22.8	28.3	35.8	46.5	49.9
South Korea	0.2	0.4	0.6	1.1	2.2	3.7	7.0	15.1	30.6	44.8
Denmark	2.9	3.4	4.1	6.9	9.7	15.7	25.1	27.5	33.5	43.7
Italy	0.5	1.0	1.4	2.1	3.9	6.9	11.2	20.5	35.8	42.8
Japan	0.7	1.1	1.4	1.7	3.5	8.2	16.7	30.4	37.7	39.6
Luxembourg	0.2	0.3	0.3	1.3	3.2	6.6	10.9	16.1	22.5	39.3
Portugal	0.1	0.1	0.4	1.0	1.8	3.5	6.8	15.4	31.4	38.3
Austria	1.0	1.5	2.2	2.8	3.5	4.8	7.4	14.3	27.5	38.3
Australia	1.1	1.7	2.5	3.9	6.2	10.7	21.5	26.0	32.1	35.2
Netherlands	0.5	0.8	1.1	1.4	2.1	3.5	2.0	10.8	21.4	32.0
Switzerland	1.8	2.5	3.1	3.7	4.6	6.2	9.2	14.4	23.0	30.8
United Kingdom	1.9	2.2	2.6	3.8	6.8	9.8	11.7	14.3	25.6	28.9
United States	2.1	2.9	4.3	5.6	8.5	11.8	16.3	20.4	25.5	28.3
Ireland	0.7	0.9	1.3	1.6	2.3	3.7	8.2	14.4	26.6	27.3
Spain	0.1	0.3	0.5	0.7	1.0	2.3	7.6	10.9	17.8	27.2
Greece	0.0	0.0	0.0	0.3	1.5	5.3	6.7	8.6	19.5	26.7
France	0.5	0.7	0.8	0.8	1.4	2.5	4.2	9.8	19.1	24.3
New Zealand	1.6	2.1	2.9	4.1	5.3	9.2	11.7	16.6	19.5	21.7
Belgium	0.4	0.5	0.6	0.7	1.3	2.3	4.7	9.6	17.2	21.5
Germany	0.3	0.7	1.2	2.2	3.0	4.6	7.1	9.9	16.9	21.2
Canada	2.1	2.8	3.6	4.6	6.4	8.8	11.5	14.1	17.8	20.0
Hungary	0.0	0.1	0.2	0.4	1.4	2.6	4.7	7.1	10.7	12.8
Czech Republic	0.0	0.0	0.0	0.1	0.3	0.4	2.0	5.1	9.4	12.5
Turkey	0.1	0.1	0.1	0.1	0.3	0.7	1.3	2.6	5.6	8.9
Poland	0.0	0.0	0.0	0.0	0.1	0.2	0.6	2.1	5.0	7.9
Mexico	0.1	0.2	0.4	0.4	0.6	0.8	1.1	1.8	3.5	5.1

SOURCE: Organisation for Economic Co-operation and Development (OECD). 2000. *Cellular Mobile Pricing Structures and Trends*. Paris.

See figures 8-5 and 8-6 in Volume 1.

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Appendix table 8-4.

Internet hosts per 1,000 inhabitants in OECD countries

Country	July 1997	July 1998	July 1999	July 2000	October 2000
OECD average	20.3	31.4	49.0	74.2	81.5
Australia	30.9	40.2	52.3	67.8	75.0
Austria	7.2	17.8	27.9	48.6	57.6
Belgium	7.9	16.4	26.1	36.1	39.7
Canada	30.4	51.2	73.9	112.6	127.2
Czech Republic	4.4	7.0	9.7	12.9	12.9
Denmark	26.0	37.1	59.2	68.1	72.5
Finland	68.1	99.2	120.5	147.4	159.1
France	5.3	7.7	12.0	18.1	19.2
Germany	10.3	14.8	20.1	28.0	31.7
Greece	2.8	3.6	6.8	10.8	13.0
Hungary	3.2	8.0	10.9	15.0	15.4
Iceland	40.2	71.6	96.5	115.6	130.8
Ireland	13.0	12.8	16.4	28.1	31.1
Italy	3.7	5.0	9.0	25.2	32.6
Japan	8.4	12.8	18.3	28.3	32.5
Korea	2.1	3.8	6.8	9.5	10.8
Luxembourg	3.1	14.5	19.4	33.3	30.5
Mexico	0.2	0.7	1.6	3.5	3.8
Netherlands	21.9	35.3	50.6	75.3	81.6
New Zealand	29.8	52.6	55.3	86.4	92.6
Norway	40.9	75.6	85.7	106.7	116.5
Poland	2.0	2.6	4.1	6.9	8.2
Portugal	3.1	5.1	6.3	10.5	13.4
Spain	4.0	6.3	9.3	14.8	15.7
Sweden	35.0	45.2	63.2	98.2	106.3
Switzerland	20.7	33.4	43.5	58.0	63.5
Turkey	0.3	0.5	1.1	3.0	3.3
United Kingdom	15.7	23.6	33.3	47.9	52.5
United States	56.5	87.5	142.0	215.0	234.2

SOURCE: Organisation for Economic Co-operation and Development (OECD). 2001. *Communications Outlook-2001*. Paris. Data from Netsizer (<<http://www.netsizer.com>>).

Appendix table 8-5.
Percentage of households with computer

Characteristic	December 1998	August 2000	Percentage point change	Percentage growth rate
All	42.1	51.0	8.9	21.1
Race/ethnicity				
White non-Hispanic	46.6	55.7	9.1	19.5
Asian/Pacific Islander	55.0	65.6	10.6	19.3
Black non-Hispanic	23.2	32.6	9.4	40.5
Hispanic	25.5	33.7	8.2	32.2
Income (dollars)				
<15,000	14.5	19.2	4.7	32.4
15,000–24,999	23.7	30.1	6.4	27.0
25,000–34,999	35.8	44.6	8.8	24.6
35,000–49,999	50.2	58.6	8.4	16.7
50,000–74,999	66.3	73.2	6.9	10.4
75,000+	79.9	86.3	6.4	8.0
Education				
Less than high school	12.5	18.2	5.7	45.6
High school graduate	31.2	39.6	8.4	26.9
Some college	49.3	60.3	11.0	22.3
College graduate	66.9	74.0	7.1	10.6
Postgraduate	72.2	79.0	6.8	9.4
Location				
Rural	39.9	50.4	10.5	26.3
Urban	42.9	51.5	8.6	20.0
Central city	38.5	53.7	15.2	39.5

SOURCE: U.S. Department of Commerce. 2000. *Falling Through the Net: Toward Digital Inclusion. A Report on Americans' Access to Technology Tools*. Washington, DC.

See figures 8-13 and 8-16 in Volume 1.

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Appendix table 8-6.

Percentage of households with Internet access

Characteristic	December 1998	August 2000	Percentage point change	Percentage growth rate
All	26.2	41.5	15.3	58.4
Race/ethnicity				
White non-Hispanic	29.8	46.1	16.3	54.7
Asian/Pacific Islander	36.0	56.8	20.8	57.8
Black non-Hispanic	11.2	23.5	12.3	109.8
Hispanic	12.6	23.6	11.0	87.3
Income (dollars)				
<15,000	7.1	12.7	5.6	78.9
15,000–24,999	11.0	21.3	10.3	93.6
25,000–34,999	19.1	34.0	14.9	78.0
35,000–49,999	29.5	46.1	16.6	56.3
50,000–74,999	43.9	60.9	17.0	38.7
75,000+	60.3	77.7	17.4	28.9
Education				
Less than high school	5.0	11.7	6.7	134.0
High school graduate	16.3	29.9	13.6	83.4
Some college	30.2	49.0	18.8	62.3
College graduate	46.8	64.0	17.2	36.8
Postgraduate	53.0	69.9	16.9	31.9
Location				
Rural	22.2	38.9	16.7	75.2
Urban	27.5	42.3	14.8	53.8
Central city	24.5	37.7	13.2	53.9

SOURCE: U.S. Department of Commerce. 2000. *Falling Through the Net: Toward Digital Inclusion. A Report on Americans' Access to Technology Tools*. Washington, DC.

See figures 8-13, 8-14, 8-15, and 8-17 in volume 1.

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Appendix table 8-7.
Internet use for individuals age 3 and older

Characteristic	December 1998		August 2000		Internet use (percent)		Percentage point change	Percentage growth rate
	Internet users	Total	Internet users	Total	December 1998	August 2000		
		population		population				
Total	84,587	258,453	116,480	262,620	32.7	44.4	11.6	36
Male	43,033	125,932	56,962	127,844	34.2	44.6	10.4	30
Female	41,555	132,521	59,518	134,776	31.4	44.2	12.8	41
Race/ethnicity								
White non-Hispanic	69,470	184,980	93,714	186,439	37.6	50.3	12.7	34
Asian/Pacific Islanders	3,467	32,123	9,624	32,850	19.0	29.3	10.3	54
Black non-Hispanic	6,111	9,688	5,095	10,324	35.8	49.4	13.6	38
Hispanic	4,887	29,452	7,325	30,918	16.6	23.7	7.1	43
Employment status								
Employed ^a	56,790	133,516	77,507	136,756	42.5	56.7	14.2	33
Not employed ^a	1,647	5,726	2,698	5,961	28.8	45.3	16.5	58
Not in the labor force	14,411	70,924	20,661	71,232	20.3	29.0	8.7	43
Income (dollars)								
<15,000	5,170	37,864	6,057	32,096	13.7	18.9	5.2	38
15,000–24,999	5,623	30,581	7,063	27,727	18.4	25.5	7.1	38
25,000–34,999	8,050	31,836	11,054	31,001	25.3	35.7	10.4	41
35,000–49,999	13,528	39,026	16,690	35,867	34.7	46.5	11.9	34
50,000–74,999	19,902	43,776	25,059	43,451	45.5	57.7	12.2	27
75,000+	24,861	42,221	36,564	52,189	58.9	70.1	11.2	19
Education^b								
Elementary	206	12,529	452	12,253	1.6	3.7	2.1	141
Less than high school	1,022	16,510	2,030	16,002	6.2	12.7	6.5	105
High school graduate	10,961	57,103	17,425	56,889	19.2	30.6	11.4	59
Some college	16,603	43,038	24,201	44,628	38.6	54.2	15.6	40
Bachelor's degree or higher	26,571	43,509	34,083	45,755	61.1	74.5	13.4	22
Age (years)								
3–8	2,680	24,282	3,671	23,962	11.0	15.3	4.3	39
9–17	15,396	35,821	19,579	36,673	43.0	53.4	10.4	24
18–24	11,356	25,662	15,039	26,458	44.3	56.8	12.6	28
25–49	41,694	101,836	56,433	101,946	40.9	55.4	14.4	35
50+	13,669	70,852	21,758	73,580	19.3	29.6	10.3	53

^aAge 16 and older.

^bAge 25 and older.

NOTE: Internet users and population figures are in thousands. Details may not add to total because of rounding.

SOURCE: U.S. Department of Commerce. 2000. *Falling Through the Net: Toward Digital Inclusion. A Report on Americans' Access to Technology Tools*. Washington, DC.